

Patent Claims

1. A louver for an air-conduction housing (7) of a motor vehicle air-conditioning system (1), the louver (6) having a plurality of regions in order to allow air stratification, characterized in that the louver (6) has a plurality of regions (16, 17) which are directly adjacent to one another and are subdivided by partitions which are part of the louver (6).
2. The louver as claimed in claim 1, characterized in that the louver (6) has two outer regions (16) and a middle region (17) lying between them.
3. The louver as claimed in claim 1 or 2, characterized in that the louver (6) is designed mirror-symmetrically.
4. The louver as claimed in either one of claims 2 and 3, characterized in that the flow cross section of the two outer regions (16) together corresponds to the flow cross section of the middle region (17).
5. The louver as claimed in one of the preceding claims, characterized in that the louver (6) has at least one region (16) with a configuration in the manner of a drum-type louver.
6. The louver as claimed in claim 5, characterized in that the region (16) is arranged concentrically with respect to the pivot axis of the louver (6).
7. The louver as claimed in one of the preceding claims, characterized in that the louver (6) has at least one region which is planar and runs parallel with respect to the pivot axis and/or is curved toward the pivot axis.

8. The louver as claimed in one of the preceding claims, characterized in that at least two of the different regions (16, 17) of the louver (6) extend over a different distance with respect to the circumference of the latter.

9. The louver as claimed in one of the preceding claims, characterized in that at least one region (16) of the louver (6) has, on at least one side (22), an end running obliquely with respect to the pivot axis.

10. The louver as claimed in one of the preceding claims, characterized in that the louver (6) has a bridge (21) which connects the partitions of a region (17) to one another.

11. The louver as claimed in claim 10, characterized in that the bridge is of curved design.

12. The louver as claimed in one of the preceding claims, characterized in that the louver (6) has at least one outwardly extending edge (19, 23).

13. The louver as claimed in claim 12, characterized in that the edge (19, 23) extends beyond the end faces (15).

14. The louver as claimed in one of the preceding claims, characterized in that the louver (6) is produced in one piece.

15. The louver as claimed in one of the preceding claims, characterized in that the louver (6) is a plastic injection molding.

16. A heating or air-conditioning device for a motor vehicle, characterized by a louver (6) as claimed in one of claims 1 to 15.

17. The heating or air-conditioning device as claimed in claim 16, characterized in that the heating or air-conditioning device comprises at least one of the following components: heat exchanger, heating body, evaporator, filter, temperature mixing louver, mixing chamber, one or more flow ducts and one or more control louvers for distributing the air to the outlet ducts.